

LIGHT GUIDE MODULE HAVING UNIFORM LIGHT DIFFUSION ARRANGEMENT AND METHOD FOR MAKING THE SAME

Abstract

A light guide module (10) for use in a flat panel display (21) comprises a light guide pipe (20) having a light emitting surface (21), and a light incident surface (25) orthogonal to the light emitting surface. A light diffusion arrangement (30) is deployed over the light emitting surface and includes organic scattering balls (31) homogenously mixed within a bonding agent (33). At least a light source (60) is arranged adjacent the light incident surface to project light beams into the light guide module.